MECHANICAL DATA

Bulb	T-5½
Base	E7-1, Miniature Button 7-Pin
Basing	7BT
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage	6.3 Volts
Heater Current	300 Ma
Peak Heater-Cathode Voltage	90 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES

	Shielded[1]	Unshielded
Grid to Plate	2.0	2.0 $\mu\mu f$
Grid to Cathode	1.8	1.8 $\mu\mu f$
Plate to Cathode	1.4	1.1 $\mu\mu f$

RATINGS (Design Center Values)

Plate Voltage	300 Volts Max.
Plate Dissipation	2.5 Watts Max.
Positive Grid Voltage	0 Volts Max.

CHARACTERISTICS AND TYPICAL OPERATION

Class A_1 Amplifier

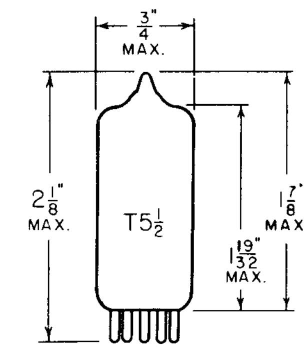
Plate Voltage	250 Volts
Grid Voltage	−9 Volts
Plate Current	9.5 Ma
Transconductance	1900 μmhos
Plate Resistance	8500 Ohms
Amplification Factor	16
Load Resistance	10,000 Ohms
Power Output	300 MW
Total Harmonic Distortion	6.5 Percent
Average Diode Current Per Plate With 10 Volts dc Applied	0.8 Ma

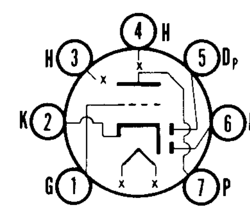
NOTE:

1. *RETMA shield No. 316.*

QUICK REFERENCE DATA

The Sylvania Type 6BF6 is a miniature twin diode, medium mu triode. It is designed for service as a combined detector, amplifier and automatic volume control tube. Electrically, the Type 6BF6 is similar to the Type 6SR7.





7 BT

SYLVANIA ELECTRIC PRODUCTS INC.

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SYLVANIA

6BF6

AVERAGE PLATE CHARACTERISTICS
EACH SECTION

